United States Patent [19]

Katsuyama et al.

[54] **CHARACTER RECOGNITION APPARATUS**

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[57] **ABSTRACT**

A character recognition apparatus for detecting a character which is represented by an image data, by extracting a characteristic quantity of the character from the image data of the character, and comparing the characteristic quantity with characteristic quantities of characters which are memorized in a dictionary. Before the above comparison, a modification of the above characteristic quantity which is extracted from the image data is carried out, where the modification corresponds to a magnification or reduction of the scale of the above image data to equalize the scale of the above image data of the character with the scales of the characters of which the characteristic quantities are memorized in the above dictionary. Further, a magnification or reduction of the width of the character image to equalize the width of the character image with the width of the characters of which the characteristic quantities are memorized in the above dictionary.

21 Claims, 29 Drawing Sheets